

EXPERIMENTAL FEATURE WORK PLAN & CONSTRUCTION REPORT

RESEARCH DIVISION, DEVELOPMENT SECTION

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Experimental Feature No.:

Submitted By: Barry Sharp

Date: November 8, 2005



UDOT Champions: Larry Gay, Region 4 Materials Engineer, Barry Sharp, UDOT Research and Ken Berg, UDOT Research

Exp. Feature Title: Type III Micro Surfacing Applied to Cracked and Deteriorated Concrete Pavement to Extend its Life

Problem Statement: Micro Surfacing has been effective in prolonging the life of asphalt pavements for some time and Region Four has some deteriorated concrete pavement they wanted to increase the life of the old pavement with some kind of cost effective surface treatment. Intermountain Slurry, Roger Cahoun, and he proposed and double lift of Type III micro surfacing to extend life of this concrete. Note this is a first time one concrete for this type of application.

Exp. Feature Objectives:

1. Apply a surface treatment to concrete pavement that is cracked and deteriorated
2. Attempt to extend the life of the pavement to match the life of the surrounding concrete pavement
3. Determine subjectively how effective the micro surfacing treatment is over time

Location: I-70, east bound on the outside lane of concrete pavement beginning at the east leave slab of the Shingle Creek Structure, MM 10 +/- . Project includes applying the micro surfacing for 1500 LF and then a second lift from the beginning 900 LF to cover the severely deteriorated pavement.

Cost/Duration: Project took two days to install approximately 3600 SY of project some double application and 900 feet just a single application. Cost will be \$3.00 per square yard or more for this test section.

Supplier: Roger Cahoun, Intermountain Slurry Inc.

1000 North Warm Springs Road

Salt Lake City, Utah 84116 Phone: 801 532 8200

Schedule of Data Collection and Evaluation

Item	Personnel assigned	Due Date
Product Installation/ Control Data	Larry Gay & Barry Sharp & Ken Berg	November 8, 2005

Construction Report	Barry Sharp	November 8, 2005
Interim Report	Barry Sharp & Larry Gay	Spring 2006 & Fall 2006 & Spring 2007
Final Report	Ken Berg	Summer 2007
Submitted by	Barry Sharp	November 8, 2005